

\* APS is unavailable Thanksgiving Day, Christmas Day, \*  
 \* and New Year's Day. \*  
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 FILE 'USPAT' ENTERED AT 13:12:17 ON 25 AUG 1998

\* \* \* \* \*  
 \* WELCOME TO THE \*  
 \* U. S. PATENT TEXT FILE \*  
 \* \* \* \* \*

=> s birefringent (2w) (plate or crystal or prism)

3853 BIREFRINGENT  
 657381 PLATE  
 509 CRYSTAL  
 25938 PRISM  
 L1 435 BIREFRINGENT (2W) (PLATE OR CRYSTAL OR PRISM)

=> s second optical path

1552975 SECOND  
 269385 OPTICAL  
 503419 PATH  
 L2 1023 SECOND OPTICAL PATH  
 (SECOND(W)OPTICAL(W)PATH)

=> s l1 and l2

L3 3 L1 AND L2

=> display l3

ENTER ANSWER NUMBER OR RANGE (1):1-3

ENTER DISPLAY FORMAT (CIT):cit

1. 5,694,385, Dec. 2, 1997, Optical pickup apparatus; Yoshitaka Takahashi, et al., 369/112, 110, 120, 124 [IMAGE AVAILABLE]
2. 5,579,420, Nov. 26, 1996, Optical filter; Nobuhiro Fukushima, 385/11 [IMAGE AVAILABLE]
3. 4,530,600, Jul. 23, 1985, Variable attenuator for optical transceiver; Marco A. Lopez, 356/5.14; 359/247, 494 [IMAGE AVAILABLE]

=> s uniaxial

L4 5163 UNIAXIAL

=> s l1 and l4

L5 68 L1 AND L4

=> s l5 and 369/clas

25346 369/CLAS  
 L6 5 L5 AND 369/CLAS

=> display l6

ENTER ANSWER NUMBER OR RANGE (1):1-5

ENTER DISPLAY FORMAT (CIT):cit

1. 5,694,385, Dec. 2, 1997, Optical pickup apparatus; Yoshitaka Takahashi, et al., ~~369/112, 110, 120, 124~~ [IMAGE AVAILABLE]
2. 5,631,774, May 20, 1997, Polarizing beam splitter and optical pick-up head comprising the same; Akihiko Yoshizawa, 359/640, 639; **369/110** [IMAGE AVAILABLE]

3. 5,621,714, Apr. 15, 1997, Optical pick-up apparatus having hologram and beam splitter with birefringent member and polarizing film; Shohei Kobayashi, et al., 369/103, 44.12, 44.23, 109, 110, 112, 122 [IMAGE AVAILABLE]

4. 5,210,627, May 11, 1993, Optical record and reproduction apparatus with liquid crystal panel that rotates light followed by a polarizer or **birefringent plate**; Eiichi Toide, et al., 349/2, 116; 369/44.12, 44.14, 109, 110 [IMAGE AVAILABLE]

5. 4,822,151, Apr. 18, 1989, Optical device with phase-locked diodelaser array; Kimio Tatsuno, et al., 359/495; 356/365; 359/497; 369/121, 122 [IMAGE AVAILABLE]

=> s uniaxial cryatl plate

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          5163 UNIAXIAL
            0 CRYATL
        657381 PLATE
L7          0 UNIAXIAL CRYATL PLATE
            (UNIAxIAL(W)CRYATL(W)PLATE)

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=> s uniaxial crystal plate

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          5163 UNIAXIAL
        147472 CRYSTAL
        657381 PLATE
L8          4 UNIAXIAL CRYSTAL PLATE
            (UNIAxIAL(W)CRYSTAL(W)PLATE)

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=> display 18

ENTER ANSWER NUMBER OR RANGE (1):1-4

ENTER DISPLAY FORMAT (CIT):cit

1. 5,694,385, Dec. 2, 1997, Optical pickup apparatus; Yoshitaka Takahashi, et al., 369/112, 110, 120, 124 [IMAGE AVAILABLE]

2. 4,988,191, Jan. 29, 1991, Electro-optical method and system for determining the direction of motion in double-exposure velocimetry by shifting an optical image field; Ronald J. Adrian, et al., 356/28; 73/861.06 [IMAGE AVAILABLE]

3. 3,923,379, Dec. 2, 1975, Light control element having a wide viewing angle; Akio Kumada, 359/250, 322 [IMAGE AVAILABLE]

4. 3,627,426, Dec. 14, 1971, HOLOGRAM INTERFEROMETER WITH TWO REFERENCE BEAMS; Tadao Tsuruta, et al., 356/347; 73/656; 356/351; 359/10, 900, 902 [IMAGE AVAILABLE]

=> s uniaxail (2w) (prism or plate or crystal)

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          0 UNIAXAIL
        25938 PRISM
        657381 PLATE
        147472 CRYSTAL
L9          0 UNIAXAIL (2W) (PRISM OR PLATE OR CRYSTAL)

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=> s uniaxial (2w) (prism or plate or crystal)

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          5163 UNIAXIAL
        25938 PRISM
        657381 PLATE
        147472 CRYSTAL
L10         388 UNIAXIAL (2W) (PRISM OR PLATE OR CRYSTAL)

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=> d his

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          (FILE 'USPAT' ENTERED AT 13:12:17 ON 25 AUG 1998)
L1         435 S BIREFRINGENT (2W) (PLATE OR CYRSTAL OR PRISM)

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L2 1023 S SECOND OPTICAL PATH  
 L3 3 S L1 AND L2  
 L4 5163 S UNIAXIAL  
 L5 68 S L1 AND L4  
 L6 5 S L5 AND 369/CLAS  
 L7 0 S UNIAXIAL CRYATL PLATE  
 L8 4 S UNIAXIAL CRYSTAL PLATE  
 L9 0 S UNIAXIAL (2W) (PRISM OR PLATE OR CRYSTAL)  
 L10 388 S UNIAXIAL (2W) (PRISM OR PLATE OR CRYSTAL)

=> s 12 and 110

L11 4 L2 AND L10

=> display 111

ENTER ANSWER NUMBER OR RANGE (1):1-4

ENTER DISPLAY FORMAT (CIT):cit

1. 5,694,385, Dec. 2, 1997, Optical pickup apparatus; Yoshitaka Takahashi, et al., 369/112, 110, 120, 124 [IMAGE AVAILABLE]
2. 5,206,868, Apr. 27, 1993, Resonant nonlinear laser beam converter; David A. G. Deacon, 372/21; 359/326, 328, 330; 372/22, 31, 32, 94 [IMAGE AVAILABLE]
3. 4,864,220, Sep. 5, 1989, Voltage detector using electro-optic material and interference of light beams; Shinichiro Aoshima, et al., 324/96; 250/227.27; 356/345 [IMAGE AVAILABLE]
4. 4,461,543, Jul. 24, 1984, Electro optic switch; Donald H. McMahon, 359/320; 349/196; 385/8, 17 [IMAGE AVAILABLE]

=> s 110 and 369/clas

25346 369/CLAS  
 L12 33 L10 AND 369/CLAS

=> s 11 and 110

L13 34 L1 AND L10

=> s 113 not hologra?

8319 HOLOGRA?  
 L14 31 L13 NOT HOLOGRA?

=> s 114 not second (2w) light

1552975 SECOND  
 635568 LIGHT  
 17563 SECOND (2W) LIGHT  
 L15 28 L14 NOT SECOND (2W) LIGHT

=> display 115

ENTER ANSWER NUMBER OR RANGE (1):1-28

ENTER DISPLAY FORMAT (CIT):cit

1. 5,731,886, Mar. 24, 1998, Birefringent compensator for reflective polarizers; Donald B. Taber, et al., 359/499 [IMAGE AVAILABLE]
2. 5,680,182, Oct. 21, 1997, Nonlinear resistance films suitable for an active matrix LCD; Ken Saito, 349/41, 138 [IMAGE AVAILABLE]
3. 5,650,833, Jul. 22, 1997, Liquid crystal display device having birefringent films with  $n_{\text{sub}.x} > n_{\text{sub}.y}$ ; Minoru Akatsuka, et al., 349/118, 119, 180, 181 [IMAGE AVAILABLE]
4. 5,638,197, Jun. 10, 1997, Inorganic thin film compensator for improved gray scale performance in twisted nematic liquid crystal

displays and method of making; William J. Gunning, III, et al., 349/96, 117 [IMAGE AVAILABLE]

5. 5,631,774, May 20, 1997, Polarizing beam splitter and optical pick-up head comprising the same; Akihiko Yoshizawa, 359/640, 639; 369/110 [IMAGE AVAILABLE]

6. 5,619,352, Apr. 8, 1997, LCD splay/twist compensator having varying tilt and /or azimuthal angles for improved gray scale performance; Gene C. Koch, et al., 349/89, 117, 119, 177 [IMAGE AVAILABLE]

7. 5,612,801, Mar. 18, 1997, Monolithic optical compensation device for improved viewing angle in liquid crystal displays; Bruce K. Winker, 349/119, 117 [IMAGE AVAILABLE]

8. 5,523,867, Jun. 4, 1996, Liquid crystal display device having light shielding film and birefringent films with  $N_{\text{sub}.x} = N_{\text{sub}.z} > N_{\text{sub}.y}$ ; Minoru Akatsuka, et al., 349/117, 110, 177 [IMAGE AVAILABLE]

9. 5,504,603, Apr. 2, 1996, Optical compensator for improved gray scale performance in liquid crystal display; Bruce K. Winker, et al., 349/117 [IMAGE AVAILABLE]

10. 5,444,533, Aug. 22, 1995, Fiber-optic gyroscope obtaining a signal from a perturbed light source; Yozo Nishiura, et al., 356/350 [IMAGE AVAILABLE]

11. 5,406,396, Apr. 11, 1995, Liquid crystal display device using uniaxial birefringent films for improving viewing angle; Minoru Akatsuka, et al., 349/118, 119, 181 [IMAGE AVAILABLE]

12. 5,369,513, Nov. 29, 1994, Liquid crystal display device with biaxial birefringent plates and light shielding film; Minoru Akatsuka, et al., 349/118, 110, 119, 180, 181 [IMAGE AVAILABLE]

13. 5,345,329, Sep. 6, 1994, Polarization-independent optical isolator; Kazushi Shirai, et al., 359/282, 283, 484, 494, 497; 372/703 [IMAGE AVAILABLE]

14. 5,278,853, Jan. 11, 1994, Optical isolator; Kazushi Shirai, et al., 372/37, 703 [IMAGE AVAILABLE]

15. 5,253,110, Oct. 12, 1993, Illumination optical arrangement; Yutaka Ichihara, et al., 359/619, 370, 371, 385, 386, 577, 591; 362/259, 268 [IMAGE AVAILABLE]

16. 5,206,867, Apr. 27, 1993, Suppression of relaxation oscillations in flashpumped, two-micron tunable solid state lasers; Leon Esterowitz, et al., 372/20, 21, 105 [IMAGE AVAILABLE]

17. 5,194,975, Mar. 16, 1993, Liquid crystal display device having biaxial birefringent plates at each side of the liquid crystal layer; Minoru Akatsuka, et al., 349/119, 118, 180, 181 [IMAGE AVAILABLE]

18. 5,062,694, Nov. 5, 1991, Birefringent filter design; Clayton H. Bair, 359/498; 372/105 [IMAGE AVAILABLE]

19. 4,772,104, Sep. 20, 1988, Achromatic tuner for birefringent optical filter; Carl F. Buhrer, 359/497, 498 [IMAGE AVAILABLE]

20. 4,718,752, Jan. 12, 1988, Interpixel null suppression for polarized optical image bars; Robert A. Sprague, et al., 359/246; 347/255; 359/256 [IMAGE AVAILABLE]

21. 4,678,287, Jul. 7, 1987, Methods of and apparatus for tuning a birefringent optical filter; Carl F. Buhrer, 359/498, 497 [IMAGE AVAILABLE]

22. 4,320,973, Mar. 23, 1982, Device for interferential spectrometry with selective modulation; Gerard Fortunato, et al., 356/346, 351 [IMAGE AVAILABLE]

23. 4,222,638, Sep. 16, 1980, Array of optical gates; Jacques Robert, 385/17, 123 [IMAGE AVAILABLE]

24. 3,923,379, Dec. 2, 1975, Light control element having a wide viewing angle; Akio Kumada, 359/250, 322 [IMAGE AVAILABLE]
25. 3,892,470, Jul. 1, 1975, Optical device for transforming monochromatic linearly polarized light to ring polarized light; James F. Lotspeich, 359/497, 500 [IMAGE AVAILABLE]
26. 3,881,105, Apr. 29, 1975, APPARATUS FOR DETERMINING THE POSITION OF AN OBJECT IN AN ARBITRARY CROSS-SECTION OF A BEAM OF RADIATION; Hendrik De Lang, et al., 250/225; 356/152.1, 351 [IMAGE AVAILABLE]
27. 3,643,178, Feb. 15, 1972, ELECTROMAGNETIC RADIATION BEAM DIRECTING SYSTEMS; Fred R. Marshall, 372/24, 66, 101, 105 [IMAGE AVAILABLE]
28. 3,630,625, Dec. 28, 1971, DEVICE FOR DETERMINING THE RELATIVE DISPLACEMENT OF AN OBJECT BY MEANS OF A DIFFRACTION GRATING MECHANICALLY SECURED TO THE OBJECT; Hendrik De Lang, 356/373; 250/225; 356/365; 359/497, 566 [IMAGE AVAILABLE]

=> d his

(FILE 'USPAT' ENTERED AT 13:12:17 ON 25 AUG 1998)

L1	435 S BIREFRINGENT (2W) (PLATE OR CYRSTAL OR PRISM)
L2	1023 S SECOND OPTICAL PATH
L3	3 S L1 AND L2
L4	5163 S UNIAXIAL
L5	68 S L1 AND L4
L6	5 S L5 AND 369/CLAS
L7	0 S UNIAXIAL CRYATL PLATE
L8	4 S UNIAXIAL CRYSTAL PLATE
L9	0 S UNIAXAIL (2W) (PRISM OR PLATE OR CRYSTAL)
L10	388 S UNIAXIAL (2W) (PRISM OR PLATE OR CRYSTAL)
L11	4 S L2 AND L10
L12	33 S L10 AND 369/CLAS
L13	34 S L1 AND L10
L14	31 S L13 NOT HOLOGRA?
L15	28 S L14 NOT SECOND (2W) LIGHT

=> sel 115 1-28 ccls

E1 THROUGH E54 ASSIGNED

=> d sel e1-10

E#	FILE	FREQUENCY	TERM
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E1	USPAT	6	349/119/CCLS
E2	USPAT	5	349/117/CCLS
E3	USPAT	5	359/497/CCLS
E4	USPAT	4	349/118/CCLS
E5	USPAT	4	349/181/CCLS
E6	USPAT	3	349/180/CCLS
E7	USPAT	3	359/498/CCLS
E8	USPAT	3	372/105/CCLS
E9	USPAT	2	250/225/CCLS
E10	USPAT	2	349/110/CCLS

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ALL L# QUERIES AND ANSWER SETS ARE DELETED AT LOGOFF  
LOGOFF? (Y)/N/HOLD:y

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